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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/700,937	11/04/2003	Daniel Edward Bowen III	DN2001-163D08	5974
7590 10/07/2005			EXAMINER	
The Goodyear Tire & Rubber Company			CHOI, LING SIU	
Patent & Trademark Department - D/823			ART UNIT	PAPER NUMBER
Akron, OH 44316-0001			1713	

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	<b>^</b> /	13 -
	Application No.	Applicant(s)
	10/700,937	BOWEN ET AL.
Office Action Summary	Examiner	Art Unit
	Ling-Siu Choi	1713
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on	_•	
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.	
3) Since this application is in condition for allowar		
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.
Disposition of Claims		
4) Claim(s) 1-9 is/are pending in the application.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.	
5) Claim(s) <u>1-7 and 9</u> is/are allowed.		
6) Claim(s) 8 is/are rejected.		
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	r alaction requirement	
are subject to restriction and/or	election requirement.	
Application Papers		
9) The specification is objected to by the Examine	r.	•
10)☐ The drawing(s) filed on is/are: a)☐ acce		
Applicant may not request that any objection to the		• •
Replacement drawing sheet(s) including the correcti	· · · · · · · · · · · · · · · · · · ·	, , ,
11) The oath or declaration is objected to by the Ex	ammer, Note the attached Office	Action of form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:	•	
1. Certified copies of the priority documents		
2. Certified copies of the priority documents	• •	· · · · · · · · · · · · · · · · · · ·
<ul> <li>3. Copies of the certified copies of the prior application from the International Bureau</li> </ul>	·	ed in this National Stage
* See the attached detailed Office action for a list of	` ''	d.
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Attachmont/e\		
Attachment(s)  1) X Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 09/06/2005.	5) Notice of Informal Page 6) Other:	atent Application (PTO-152)
Patent and Trademark Office		

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### **DETAILED ACTION**

1. This Application is a Division of US Application No. 10/222,739, filed August 16, 2002. Claims 1-9 are now pending, wherein claims 1, 8, and 9 are independent ones.

## Claim Objections

2. Claim 8 is objected to because of the following informalities:

Claim 8, structural formula, lines 26 and 29-30, the numbers used to represent the compounds are suggested to be changed from (1)....(3) to (7)....(9) respectively;

Appropriate correction is required.

### Allowable Subject Matter

3. Claims 1-9 are allowable over the closest references: Ender (US 3,287,291), Nakamura et al. (US 5,973,067), and Britton (US 5,618,951).

A pr	ocess to synthesize a modified silane compound, comprising the contact of		
I	a cyclic hemiacetal shown in claim 1		
	wherein $Y = [O, S, N, and P]$		
	Z = [C(R)R', O, S, N, and P]		
II	a silicon containing compound		
	$X_{4-n}Si[OR"]_n$		

(summary of claim 1)

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A pro	A process to synthesize a modified silane compound, comprising the contact of				
I	a n organic compound shown in claim 8				
	wherein $Y = [O, S, N, and P]$				
	Z = [C(R)R', O, S, N, and P]				
П	a silicon containing compound				
	X <sub>4-n</sub> Si [OR"] <sub>n</sub>				

(summary of claim 8)

Ender discloses a process to prepare an organosilicon compound represented by the formula of Si[(OCH<sub>2</sub>)<sub>n</sub>OCH<sub>3</sub>]<sub>4</sub> which includes Si(OCH<sub>2</sub>OCH<sub>3</sub>)<sub>4</sub>, Si[(OCH<sub>2</sub>)<sub>5</sub>OC<sub>4</sub>H<sub>9</sub>]<sub>4</sub>, Si(OCH<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>)(OCH<sub>2</sub>OCH<sub>3</sub>) (OCH<sub>2</sub>OCH<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>) (OCH<sub>2</sub>OCH<sub>3</sub>), Si(OCH<sub>2</sub>OCH<sub>3</sub>)[(OCH<sub>2</sub>)<sub>3</sub>OCH<sub>3</sub>] [(OCH<sub>2</sub>)<sub>2</sub>OCH<sub>3</sub>] [(OCH<sub>2</sub>)<sub>4</sub>OCH<sub>3</sub>] (col. 1, lines 15-20; col. 2, lines 14-26). However, Ender does not teach or fairly suggest the process to prepare the claimed modified silane compound.

Nakamura et al. disclose a process to prepare an alkenyltrialkoxysilane which can be allyltrimethoxysilane, allyltri(ethoxymethoxy)silane, butenyltrimethoxysilane, hexenyltrimethoxysilane, or hexaenyltriethoxysilane (claims 1 and 3). However, Nakamura et al. do not teach or fairly suggest the process to prepare the claimed modified silane compound.

Britton discloses 2,2-difluoroketene silyl acetal (claim 1, Formula I). However, Britton does not teach or fairly suggest the process to prepare the claimed modified silane compound.

### Conclusion

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.

LING-SUI CHOI PRIMARY EXAMINER

September 28, 2005